



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

000346

D350-607-541
Job Sheet 168952



Part No: D350-607-541

Job Qty: 1 ea

Part Name: AS350/AS355 Quick Release Heli-Utility-Basket™ Long, Heavy Duty Lid



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/27/17

Job Tracking No:

Due Date: 1/12/18

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Heliswiss Iberica SA (CHELI02)

Hangar 4, Lado Norte, Aeropuerto De Sabadell, Barcelona Sabadell, , 08205 Spain ph:011 34 93 720 6090
fx:34-937 100130.

Note: DWG REV E SHEET 22 IPP REV:A 10-08-19 AS PER REV.A DD VERF BY:EC IPP Rev:B 11.02.09 add to install label DD verf by:EC IPP REV:C 12.03.06 AS PER ECN12-535 DD VERF:EC IPP REV:D 12.07.24 AS PER ECN 12-610 DD VERF:EC IPP REV:E 13.08.21 CHG005 / ECN 13-624 DD VERF:JLM IPP REV:F 14.06.09 AS PER ECN14-572 DD VERF:JLM IPP REV:G 16.09.12 added note at seq120 PAR16-515 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		1/12/18	0.00	0.00	Start Up Stores/Pkg-2		
110	Packaging	1 pcs		1/12/18	0.00	0.00	Packaging1		FEB 01 2018
120	QC	1 pcs		1/12/18	0.00	0.00	QC4		SMS
125	DC	1 pcs		1/12/18	0.00	0.00	DC		
130	Packaging	1 pcs		1/12/18	0.00	0.00	Packaging3		SMS
140	QC21-FG	1 Ea		1/12/18	0.00	0.00	QC21		

Part Op 125 - Photocopy bluefile & type labels per PPP D350-607-541 CHG007
Descriptions: 130 - Package as per PPPD350-607-541

DAS
21
9-88

FEB 06 2018
fjao

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	AN310C4	1	32	0	0
	AN4-13A	6	237	0	0
	AN4C15	1	15	0	0
	D2690-6	1	100	0	0
	D350-607-511	1	2	0	0
	D3912-041	1	8	0	0
	D4030-041	1	1	0	0
	D4085-3	1	4	0	0
	D4086-200	1	13	0	0
	D4150-041	1	6	0	0
	D4151-041	1	7	0	0
	D4151-043	1	6	0	0
	D4917-300	1	9	0	0
	MS17984-C413	1	20	0	0
	MS21042L4	6	913	0	0
	MS24665-151	1	71	0	0
	NAS1149C0463R	3	116	0	0
	NAS1149F0432P	12	843	0	0
	NAS1515H4L	2	155	0	0

Basket Assembly 168953-A

Plex 11/27/17 2:23 PM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS				
Part No. _____		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
NCR No. _____		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
		Large Fab ☐	Composite ☐	Supplier ☐		

Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval _____
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Description Work Order Deviation

Start up Operation
Job No: 168952
CHG008
02/01/18

Change No: _____
Operation: _____
Revision: _____
Original Serial #: S037961
D350-607-541

PART NO: _____
Heavy Duty Lid
AS350/AS355 Quick Release Heli-Utility-Basket Long,

Completed By _____
and / Supervisor _____
aval Verification _____

/ QA Coordinator _____
Approval _____

Root Cause Environment ☐ No Re-verification ☐ Design ☐ Operator ☐ Doc/Data ☐ Offset/Setup ☐ Equip/Tooling ☐ Supplier ☐ Handling/Pre ☐ Training ☐ Material ☐ Use for Testing ☐ Internal Transport ☐ Poor Information ☐ Tribal Knowledge ☐ Rushing ☐ LOA ☐ Product Improvement ☐ Substation ☐ Process Improvement ☐ Past Expiry Date ☐ Manufacturing Process ☐ Misidentified ☐ Past Due ☐		Press ☐ Bend ☐ Cent ☐ Crack ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 CANADA
 TEL: 1 613 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com



Part Specifications
Specifications could not be found.

Plex 11/27/17 2:23 PM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 000346

Tel (613) 632-5200

Containers on Master Unit 000346				
Serial No	Part No	Customer Part No	Status	Quantity
S037905	AN310C4		Allocated	1
S037904	AN4-13A	AN4-13A	Allocated	6
S037901	AN4C15		Allocated	1
S037900	D2690-6		Allocated	1
S037899	D350-607-511	D350-607-511	Allocated	1
S037907	D3912-041		Allocated	1
S037894	D4086-200		Allocated	1
S037891	D4150-041		Allocated	1
S037886	D4151-041		Allocated	1
S037880	D4151-043		Allocated	1
S000419	D4917-300	D4917-300	Allocated	1
S037876	MS17984-C413	MS17984-C413	Allocated	1
S037870	MS21042L4	MS21042L4	Allocated	6
S037869	MS24665-151		Allocated	1
S037863	NAS1149C0463R	NAS1149C0463R	Allocated	3
S037792	NAS1149F0432P		Allocated	12
S037769	NAS1515H4L		Allocated	2

D4030-041

S037888

D4085-3

S039136

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				8	8	D3501-1	BUSHING
				2	2	D3910-3	X-TUBE LUG
				1	1	D3910-5	X-TUBE LUG
				1	1	D3910-7	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1					1	D4917-300	PLACARD, MAX LOAD
1						D4086-200	PLACARD, MAX LOAD
	1				1	D4917-315	PLACARD, MAX LOAD
	1					D4086-215	PLACARD, MAX LOAD
		1			1	D4917-320	PLACARD, MAX LOAD
		1				D4086-220	PLACARD, MAX LOAD
			1		1	D4917-332	PLACARD, MAX LOAD
1	1	1	1	1	1	D4085-3	PLACARD, INSTRUCTIONS
			1			D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
				1	1	D4713-1	SPACER
				2	2	D4775-041	STRUT ASSEMBLY
				2	2	D4776-3	SKIDTUBE CLEVIS
6	6	6	6		6	AN4-13A	BOLT
				20	22	AN4-14A	BOLT
				4	4	AN4-42A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
				2	2	AN6-13A	BOLT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	24	32	MS21042L4	NUT (OR MS21042-4)
				2	2	MS21042L6	NUT
1	1	1	1		1	MS24665-151	COTTER PIN
				1	1	MS3367-5-0	TIE WRAP
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	40	56	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER
				4	4	NAS1149F0663P	WASHER



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Tel (613) 632-5200

D4030-041
Job Sheet 168953



Part No: D4030-041

Job Qty: 1 ea

Part Name: Long Basket Assembly (350)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/27/17

Job Tracking No:

Due Date: 1/8/18

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Helistream Inc (CHEST01)

3000 Airway Avenue, Suite 350 Costa Mesa, CA, 92626 USA ph:(714) 662-3163 fx:(714) 662-1687.

Note: DWG REV D SHEETS 1,3,4 IPP Rev:A new issue DD 10.03.23 verified by:EC IPP Rev:B as per dwg revB DD 10.04.20 verified by:EC IPP Rev:C as per dwg revC DD 10.08.18 verified by:EC IPP Rev D 12.03.27 per NCR12-1239 EC verified by:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	1/6/18	1/6/18	0.00	0.00	Start Up Stores/Pkg-1		BEB 18-02-07
100	Packaging	1 pcs	1/6/18	1/6/18	0.00	0.00	Packaging1		BEB 18-02-07
110	HandFinish	1 pcs	1/8/18	1/8/18	0.00	1.03	HandFinish4		BEB 18-02-07
120	QC	1 pcs	1/8/18	1/8/18	0.00	0.00	QC5		
130	Packaging	1 pcs	1/8/18	1/8/18	0.00	0.00	Packaging3		
140	QC21-SA	1 Ea	1/8/18	1/8/18	0.00	0.00	QC21		

FEB 09 2018

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	AN3-14A 50138040-40	4	141	0	0
	AN3-16A 5017088	2	18	0	0
	AN310-4 5019389	3	41	0	0
	AN310C4 5014390	2	32	0	0
	AN4-12 5015684	3	15	0	0
	AN5-17A 5014156	4	144	0	0
	D2530 5018077	1	20	0	0
	D2535 5014167	2	103	0	0
	D2537 5018107	2	17	0	0
	D3917-3 5011156	6	173	0	0
	D3953-17 5011766	2	48	0	0
	D3953-19 5018936	1	5	0	0
	D3953-21 5026996	1	7	0	0
	D3953-3 5014257	2	77	0	0
	D3953-7 5036671	2	11	0	0
	D3953-9 5036720	2	11	0	0
	D3969-3 5025028	1	4	0	0
	MS21042L3 5037284-1	6	908	0	0
	MS21042L5 5016880	4	240	0	0
	MS24665-151 5015686	3	71	0	0
	MS24665-300 5015687	2	28	0	0
	NAS1149C0432R 5025742	2	964	0	0
	NAS1149F0332P 5020603	8	2,453	0	0
	NAS1149F0432P 502445	6	843	0	0

000598

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

110-HandFinish	NAS1149F0563P FA138120	150	0	0
	D3913-0415036571	6	0	0
	D3914-0415037409	8	0	0

Part Specifications

Specifications could not be found.

Plex 11/27/17 2:25 PM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Used: _____ Date: _____

Work Order update only ☐

Wo _____ Date _____	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com S040135 Long Basket Assembly (350) PART NO: D4030-041 Original Serial #: S040135 Revision: Operation: Start up Operation 02/07/18 Change No: Job No: 168953	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: center;">AGAINST DEPARTMENT/PROCESS</th> </tr> <tr> <td style="width:15%;">rk ☐</td> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> </tr> <tr> <td>ap ☐</td> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> </tr> <tr> <td>is ☐</td> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> </tr> <tr> <td>id ☐</td> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> </tr> <tr> <td colspan="3">QTY Effective :</td> <td>MRB (QSI042) Approval</td> </tr> <tr> <td colspan="3" style="text-align: center;">Disposition</td> <td>Completed By</td> </tr> <tr> <td colspan="3" rowspan="2"></td> <td>Lead hand / Supervisor Approval Verification</td> </tr> <tr> <td>QC / QA Coordinator Approval</td> </tr> </table>	AGAINST DEPARTMENT/PROCESS				rk ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	ap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	id ☐	Large Fab ☐	Composite ☐	Supplier ☐	QTY Effective :			MRB (QSI042) Approval	Disposition			Completed By				Lead hand / Supervisor Approval Verification	QC / QA Coordinator Approval
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En _____ Equi _____ Har _____ Internal _____ Tribal Kr _____	PART NO: D4030-041 Original Serial #: S040135 Revision: Operation: Start up Operation 02/07/18 Change No: Job No: 168953	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">FAULT CATEGORY</th> </tr> <tr> <td style="width:33%;">☐ Temperature/Cure</td> <td style="width:33%;">☐ Power Loss/Surge</td> <td style="width:33%;">☐ Positioned Wrong</td> </tr> <tr> <td>☐ Set-up</td> <td>☐ Folio/Program</td> <td>☐ Outside Dimensions</td> </tr> <tr> <td>☐ BOM/Route</td> <td>☐ Grain</td> <td>☐ Over/Under tolerance</td> </tr> <tr> <td>☐ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Part Incorrect</td> </tr> <tr> <td>☐ Inspection Incomplete/Unqualified</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Contamination</td> <td>☐ Out of Sequence</td> <td>☐ Part Moved</td> </tr> <tr> <td>☐ Countersink</td> <td>☐ Off-set</td> <td>☐ Drawing</td> </tr> <tr> <td>☐ Cut Too Short</td> <td>☐ Mislabeled</td> <td>☐ Finish</td> </tr> <tr> <td>☐ Instructions Incomplete/Unclear</td> <td>☐ Fit/Function</td> <td>☐ Misread</td> </tr> <tr> <td>☐ Drill Holes</td> <td>☐ Misaligned/off center</td> <td>☐ Turning Sequence</td> </tr> </table>	FAULT CATEGORY			☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Contamination	☐ Out of Sequence	☐ Part Moved	☐ Countersink	☐ Off-set	☐ Drawing	☐ Cut Too Short	☐ Mislabeled	☐ Finish	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence
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Substation ☐ Past Expiry Date ☐ Misidentified ☐	Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	wave / twist in Tube Marks/Chatter OTHER : _____																																	